

Reducing Food Loss and Waste: A Workshop on Impacts

Committee

Ann M. Bartuska

Chair

ANN BARTUSKA (Chair) leads the Land, Water, and Nature Program at Resources for the Future (RFF). She joined RFF in 2017 after serving as the U.S. Department of Agriculture's (USDA's) Deputy Under Secretary for Research, Education, and Economics as well as chief scientist. Prior to USDA, Dr. Bartuska held a host of leadership positions, including Deputy Chief for Research and Development of the U.S. Forest Service. She also has served in several appointments, including to the advisory board of the National Science Foundation (NSF) and as executive director of The Nature Conservancy's Invasive Species Initiative and president of the Ecological Society of America. She is an ecosystem ecologist with degrees from Wilkes College (B.S.), Ohio University (M.S.) and West Virginia University (Ph.D.). She co-chaired the National Academies Roundtable on Science and Technology for Sustainability from 2010 to 2013 and served as an ex-officio member of the Roundtable from 2014 to 2017. She currently serves as a member of the Government-University-Industry Research Roundtable at the National Academies. She is active in the Ecological Society of America, serving as Vice-President for Public Affairs from 1996 to 1999 and as president from 2002 to 2003. She has served on the Board of the Council of Science Society Presidents and is a member of the American Association for the Advancement of Science and of the Society of American Foresters.

Alison Grantham

Member

ALISON GRANTHAM is the Director for Food Systems Research and Development at Blue Apron, a leading national meal kit company with the vision of building a better food system. At Blue Apron, Dr. Grantham leads all vision-related initiatives from Regenerative Agriculture to Waste Elimination. Most recently, her team has focused on food waste reduction through a multi-faceted approach ranging from spec overhauls, facility condition improvements, enhanced donation programs to food banks and employees, and diversion to animal feed and composting. These initiatives have supported a 68 percent YOY reduction in total waste in Blue Apron's largest fulfillment center. Prior to joining Blue Apron, Dr. Grantham directed organic and sustainable agriculture research and policy outreach at the Rodale Institute, and managed Penn State Extension's Start Farming! program. She holds a dual-title Ph.D. in Ecology and Biogeochemistry from Pennsylvania State University and a B.A., summa cum laude, in Biological Sciences and Environmental Studies from Mount Holyoke College.

Lucyna Kurtyka

Member

LUCYNA KURTYKA joined the Foundation for Food and Agriculture Research (FFAR) in February 2016 as a Senior Scientific Program Director, bringing more than 20 years of nonprofit and private sector experience. Prior to joining FFAR, Ms. Kurtyka was Global Lead on Food Policy and International Organizations at Monsanto Company, where she worked with intergovernmental organizations, national and international professional associations, other companies, and governments to encourage science based regulation, standards, and oversight of crops and foods produced through biotechnology. Ms. Kurtyka's wealth of nonprofit sector experience covers many facets of the global food system. As program officer at the National Academy of Sciences/National Research Council's Board on Agriculture and Natural Resources, she managed projects in the areas of food and fiber systems, agricultural research, natural resource management, and international trade and economics. At the International Life Sciences Institute, Ms. Kurtyka directed international projects related to the development and safety of biotech foods and to natural toxins and pesticide residues in foods. Prior to that, while at AOAC International, Ms. Kurtyka oversaw the validation and approval process for analytical methods published in the Official Methods of Analysis, which are used in nutrition labeling and serve as standards for regulatory purposes in food safety, nutrition, agricultural commodities, pesticides, and environmental quality. Ms. Kurtyka holds an M.S. degree in food technology from the Agricultural University in Krakow, Poland. She is committed to working toward food and nutrition security for future generations by applying her knowledge and experience to addressing today's food and agriculture challenges.

Prabhu L. Pingali

Member

PRABHU PINGALI (NAS) is a Professor in the Charles H. Dyson School of Applied Economics and Management and the Founding Director of the Tata-Cornell Agriculture and Nutrition Initiative at Cornell University. Prior to joining Cornell in June 2013, he was the Deputy Director, Agriculture Development Division of the Bill & Melinda Gates Foundation, based in Seattle, Washington, from 2008 to May 2013. Dr. Pingali was elected to the U.S. National Academy of Sciences as a Foreign Fellow in May 2007, a Fellow of the American Agricultural Economics Association (AAEA) in 2006, and a Fellow of the International Association of Agricultural Economists (IAAE) in 2009. He served as the President of IAAE from 2003-2006, and was named the 2010 Outstanding Alumnus of North Carolina State University. He has received several international awards for his work, including the Research Discovery Award from the AAEA. Dr. Pingali has over three decades of experience working with some of the leading international agricultural development organizations as a research economist, development practitioner and senior manager. He was the Director of the Agricultural and Development Economics Division of the Food and Agriculture Organization (FAO) of the United Nations from 2002 to 2007, and the Director of the Economics Program at CIMMYT, Mexico, from 1996-2002. Prior to joining CIMMYT, he worked at the International Rice Research Institute at Los Banos, Philippines, from 1987 to 1996 as an Agricultural Economist, and at the World Bank's Agriculture and Rural Development Department from 1982 to 1987 as an economist. Dr. Pingali is a member in the U.S. National Academy of Sciences and an AAEA Fellow. Dr. Pingali has written 10 books and over 100 referred journal articles and book chapters on food policy, technological change, productivity growth, environmental externalities, and resource management in the developing world.

Brian Roe

Member

BRIAN ROE is the Van Buren Professor in the Department of Agricultural, Environmental and Development Economics at Ohio State University. Dr. Roe attended the University of Wisconsin – Madison where he received a bachelor's degree in Agricultural Economics and was named as part of the 1990 Truman Scholar class. Dr. Roe went on to receive a Ph.D. in Agricultural and Resource Economics at the University of Maryland. Prior to his employment at Ohio State, Dr. Roe worked on policy issues surrounding food safety and health information disclosure as a Staff Fellow at the U.S. Food and Drug Administration in Washington, DC. Since arriving at Ohio State in 1998, Dr. Roe has worked broadly in the areas of agricultural and environmental economics focusing on issues including agricultural marketing, information policy, behavioral economics and product quality. He recently served as an editor for the American Journal of Agricultural Economics, the flagship journal of the Agricultural and Applied Economics Association, and as the faculty leader of his department's undergraduate program. He also helped form and currently leads the Ohio State Food Waste Collaborative, a collection of researchers, practitioners, and students working together to promote the reduction and redirection of food waste as an integral part of a healthy and sustainable food system. In addition to research on food waste, his other recent research includes a USDA funded project focused on local foods and school lunch programs and participation in an National Science Foundation-funded multidisciplinary team seeking to understand human-ecosystem feedbacks in the Western Lake Erie basin, including understanding how farms and agribusinesses respond to voluntary environmental programs and how Ohio residents respond to different options to manage Lake Erie water quality.

Franklin Carrero-Martinez

Staff Officer

FRANKLIN A. CARRERO-MARTÍNEZ has been director of the Science and Technology for Sustainability Program at the National Academies of Sciences, Engineering, and Medicine since August 2018. Prior to this appointment, he was the Acting Deputy Science and Technology Adviser to the Secretary of State. Dr. Carrero-Martínez holds a B.S. in Biology, with honors from the University of Puerto Rico (UPR), a Ph.D. in Cell and Developmental Neurobiology, and a Certificate in Business Administration from the University of Illinois at Urbana-Champaign. His multidisciplinary career includes several roles in academia and government: from researcher and educator, science administrator, to science policy and diplomacy. Previously, Dr. Carrero-Martínez held appointments as Associate Professor at the UPR Mayagüez, Adjunct Professor at the UPR Medical Science Campus, and as Visiting Scholar at Duke, MIT and Japan's Institute of Genetics. Dr. Carrero-Martínez started his career in science diplomacy and policy as the American Association for the Advancement of Science (AAAS) Roger Revelle Fellow in Global Stewardship. He served this prestigious fellowship with a joint appointment between the Office of the Science and Technology Adviser to the Secretary of State (STAS) and the National Academy of Sciences. At the end of his fellowship, he served as Program Director at the National Science Foundation supporting the agency's diplomatic and representational obligations, while managing a portfolio of international basic science collaboration grants before returning to STAS in 2016.